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FIG. 1

THREE PRIMARY LCOS BASED LIGHT ENGINE

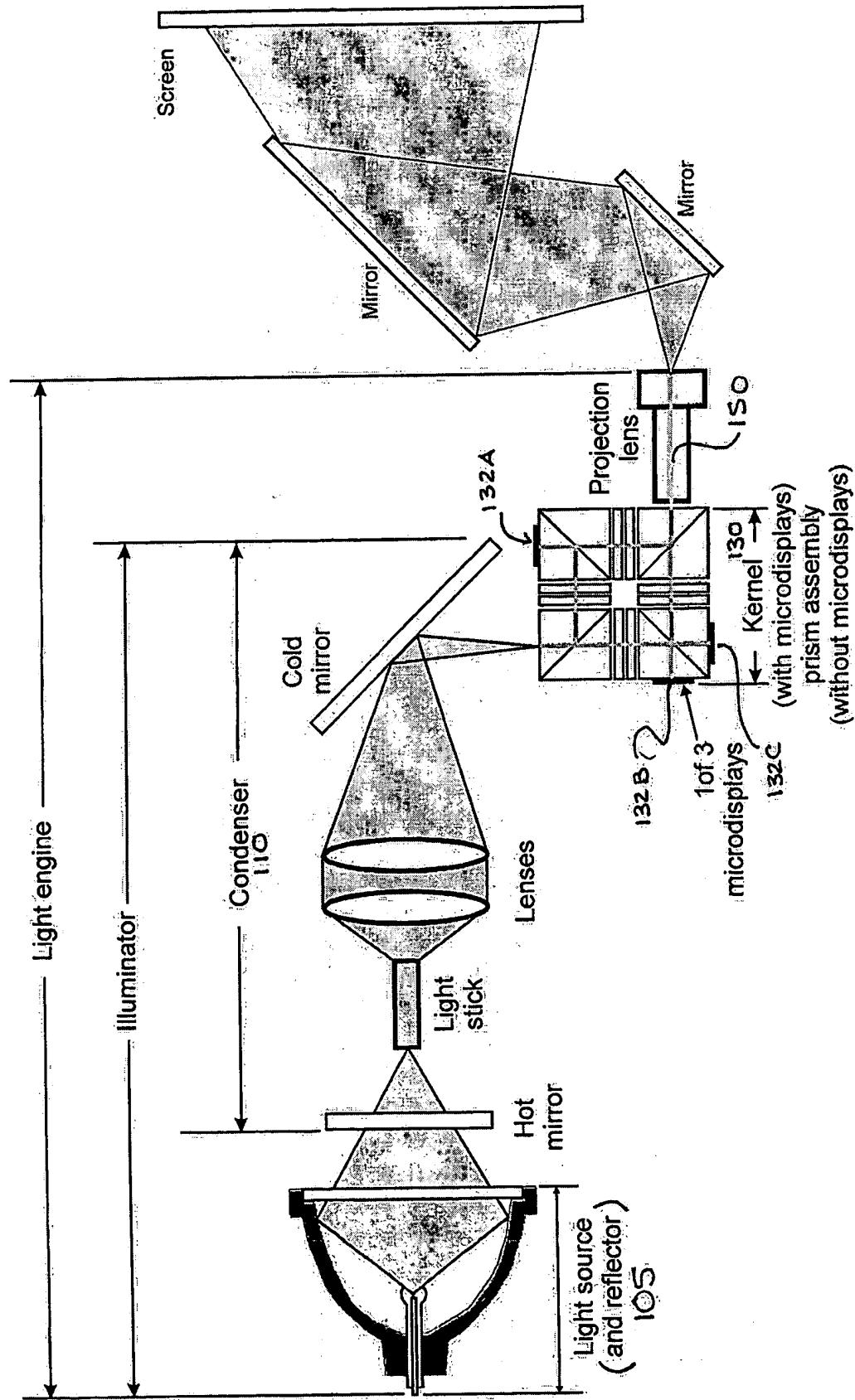


FIG. 2: SPECTRAL EMISSION OF A MERCURY SHORT ARC LAMP

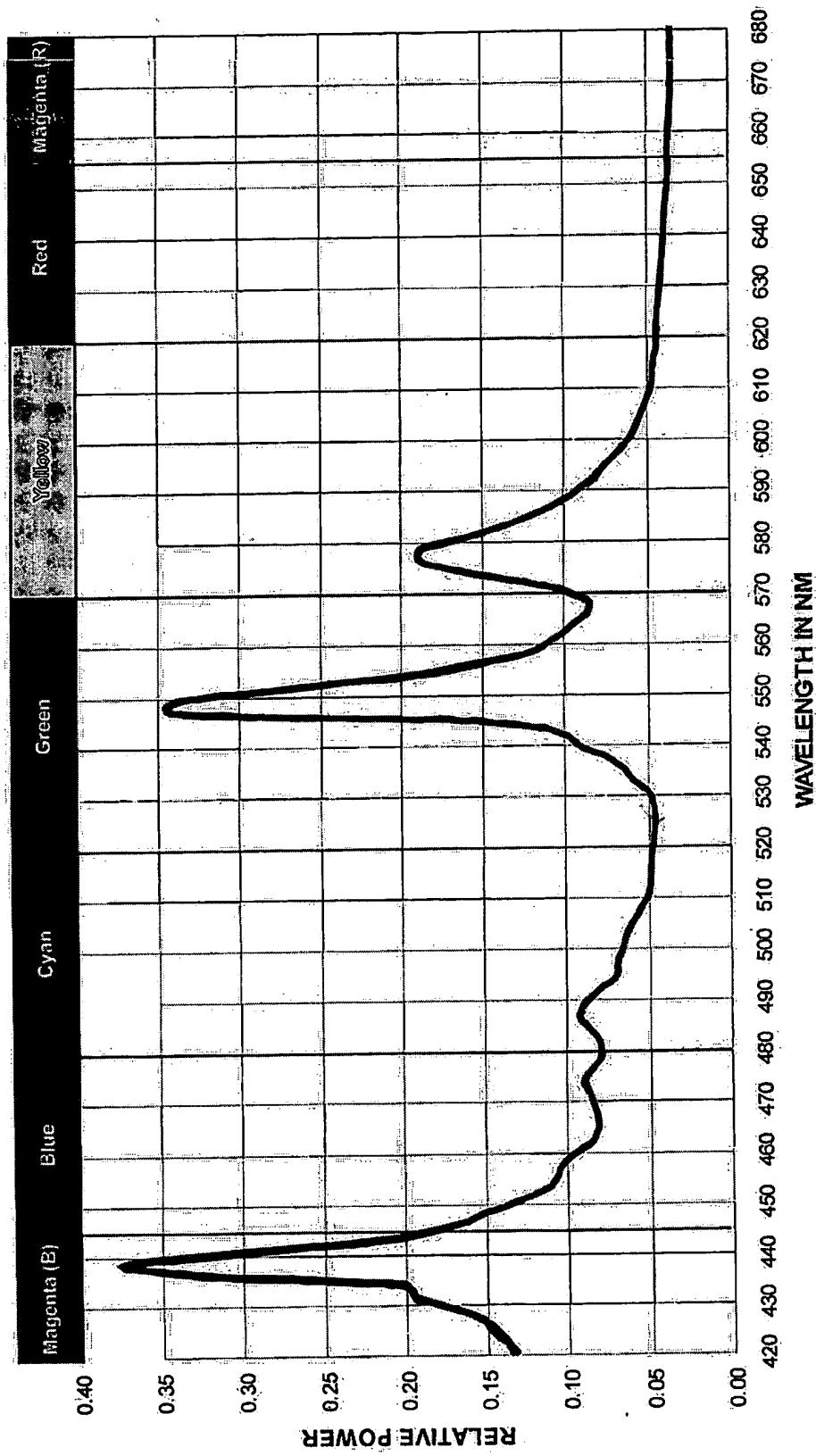


FIG. 3A

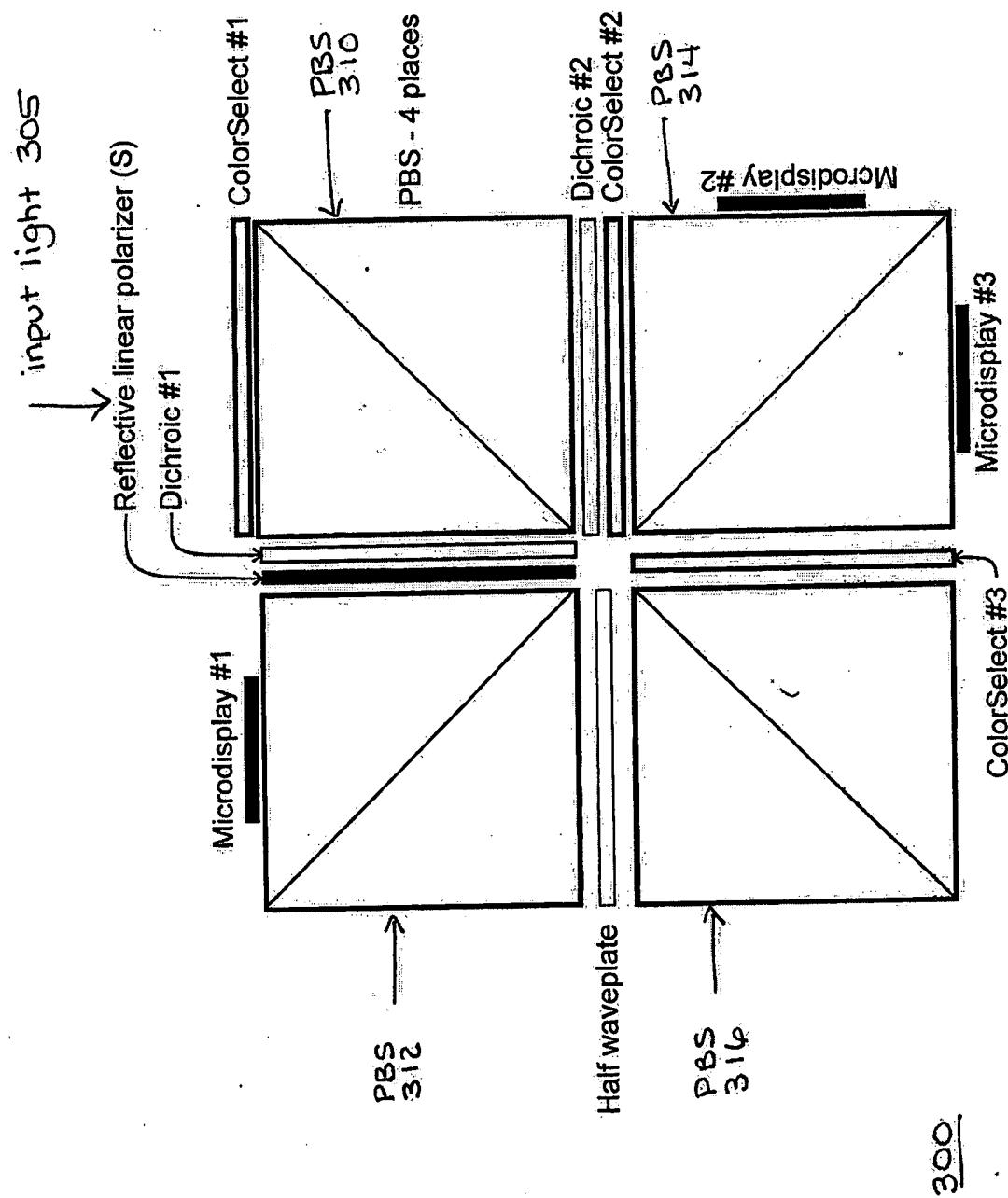
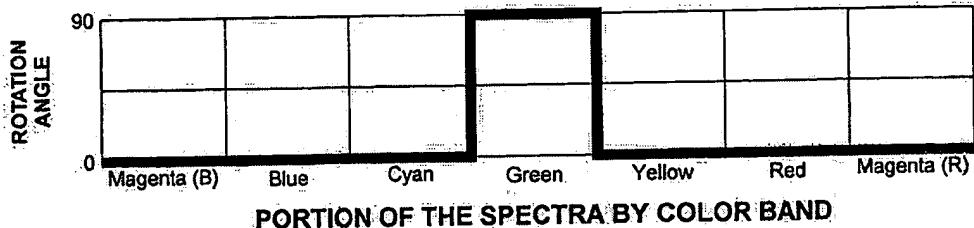


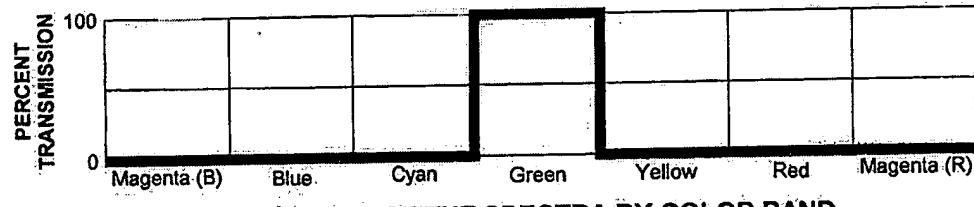
FIG. 3B

ColorSelect #1
(Green/Magenta)



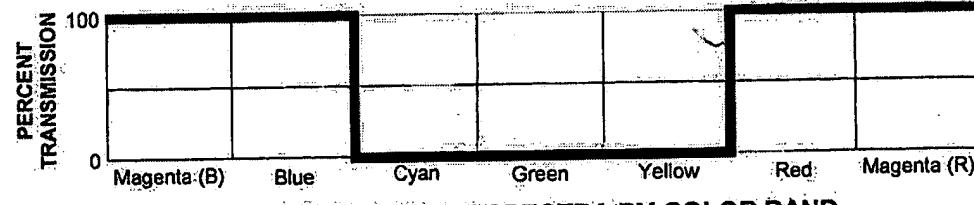
PORTION OF THE SPECTRA BY COLOR BAND

Dichroic #1
(Green)



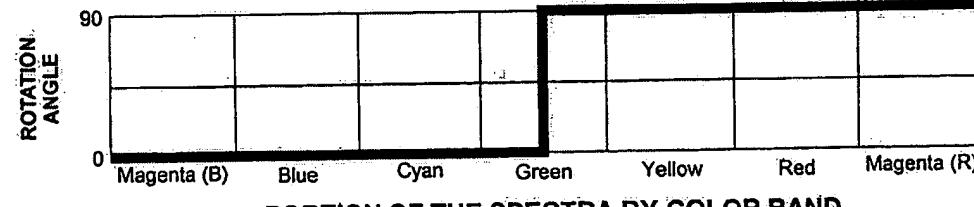
PORTION OF THE SPECTRA BY COLOR BAND

Dichroic #2
(Magenta)



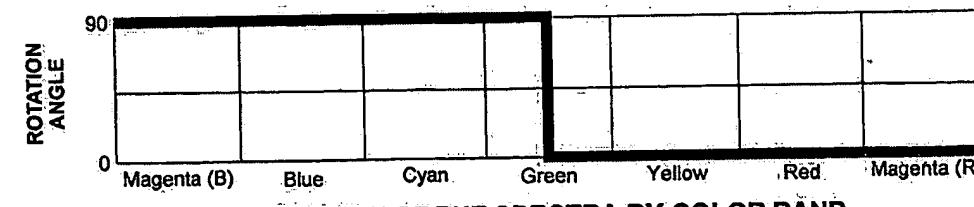
PORTION OF THE SPECTRA BY COLOR BAND

ColorSelect #2
(Blue/Red)



PORTION OF THE SPECTRA BY COLOR BAND

ColorSelect #3
(Red/Blue)



PORTION OF THE SPECTRA BY COLOR BAND

FIG. 3C

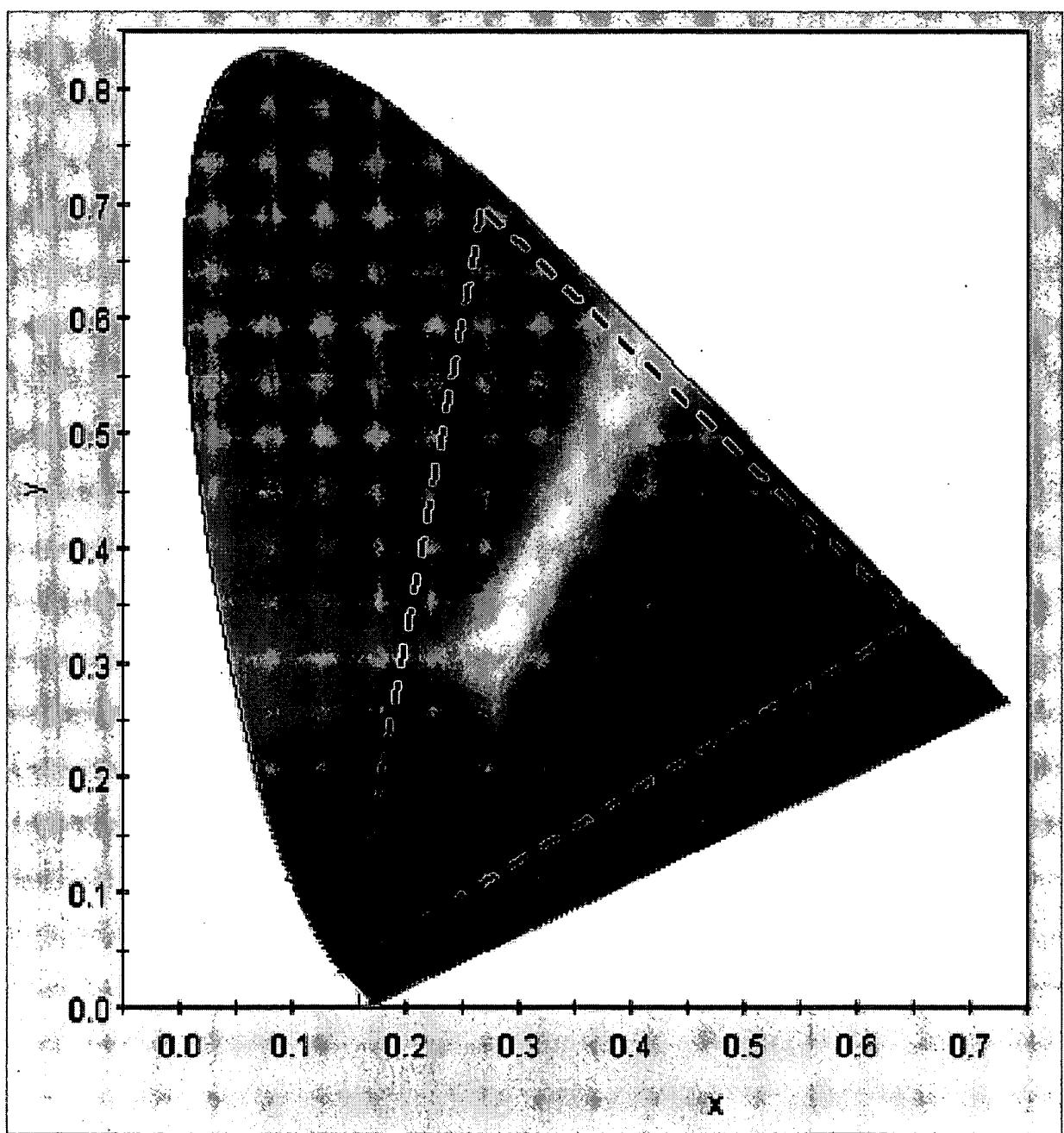


FIG. 4

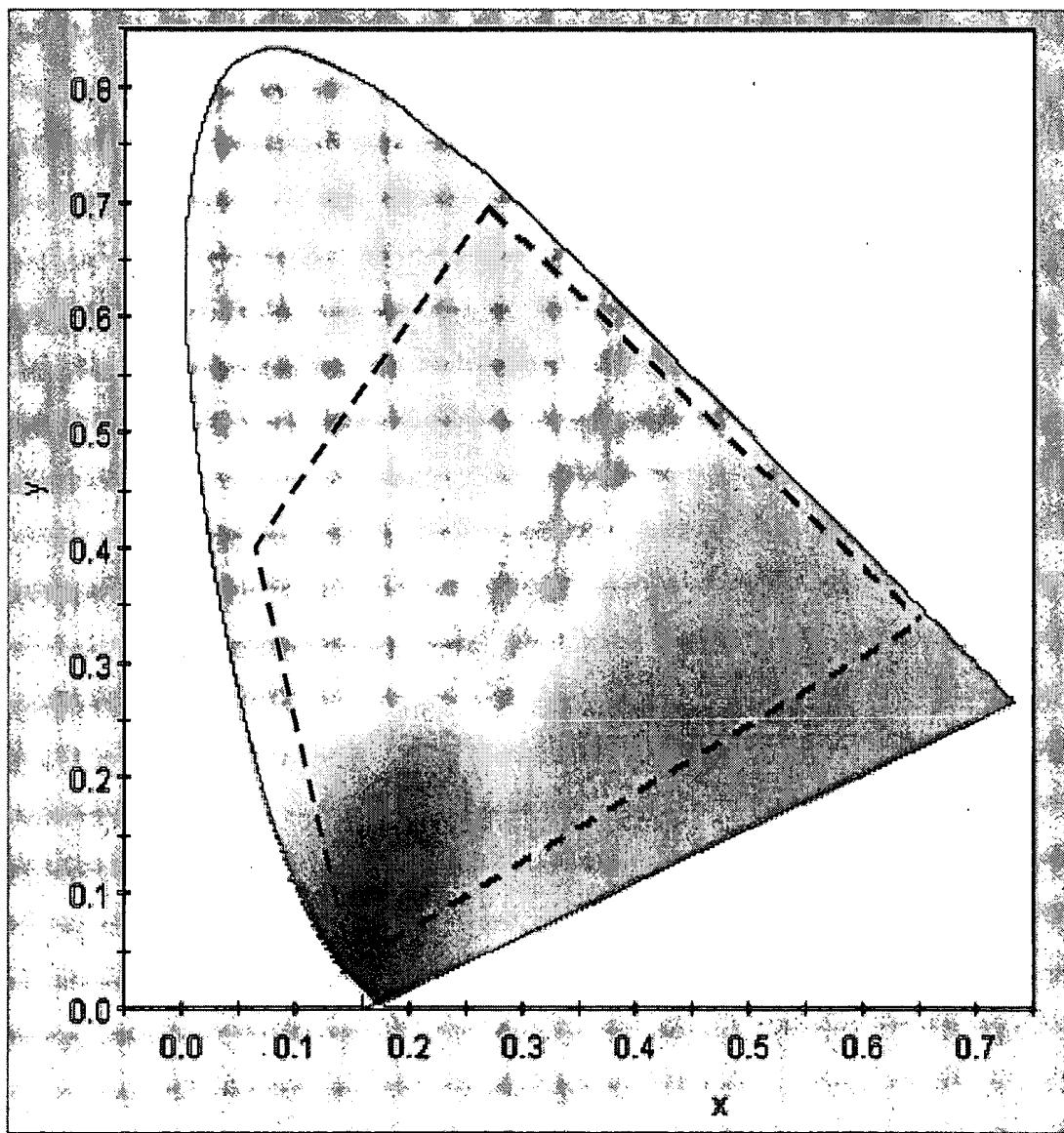


FIG. 5

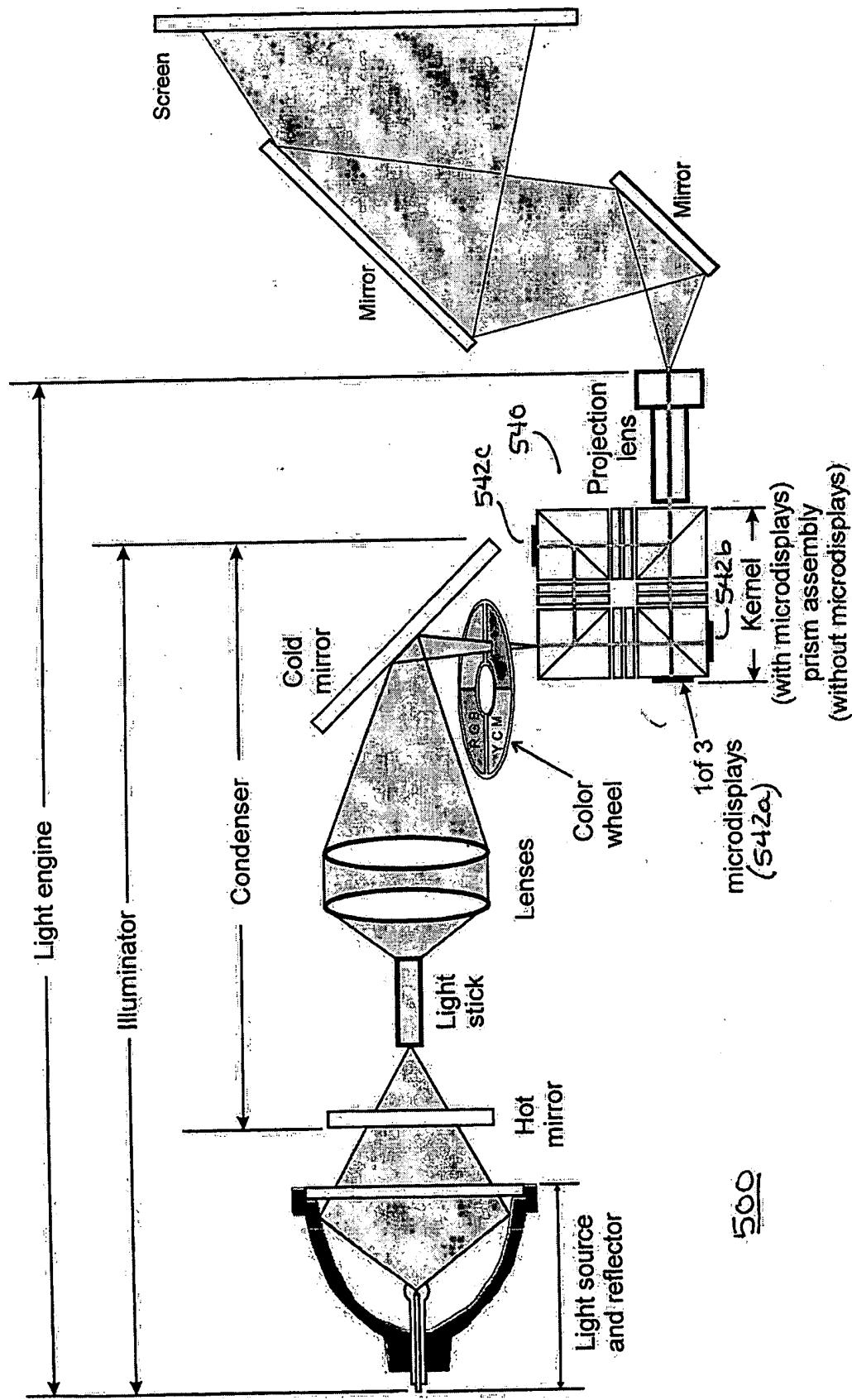


FIG. 6

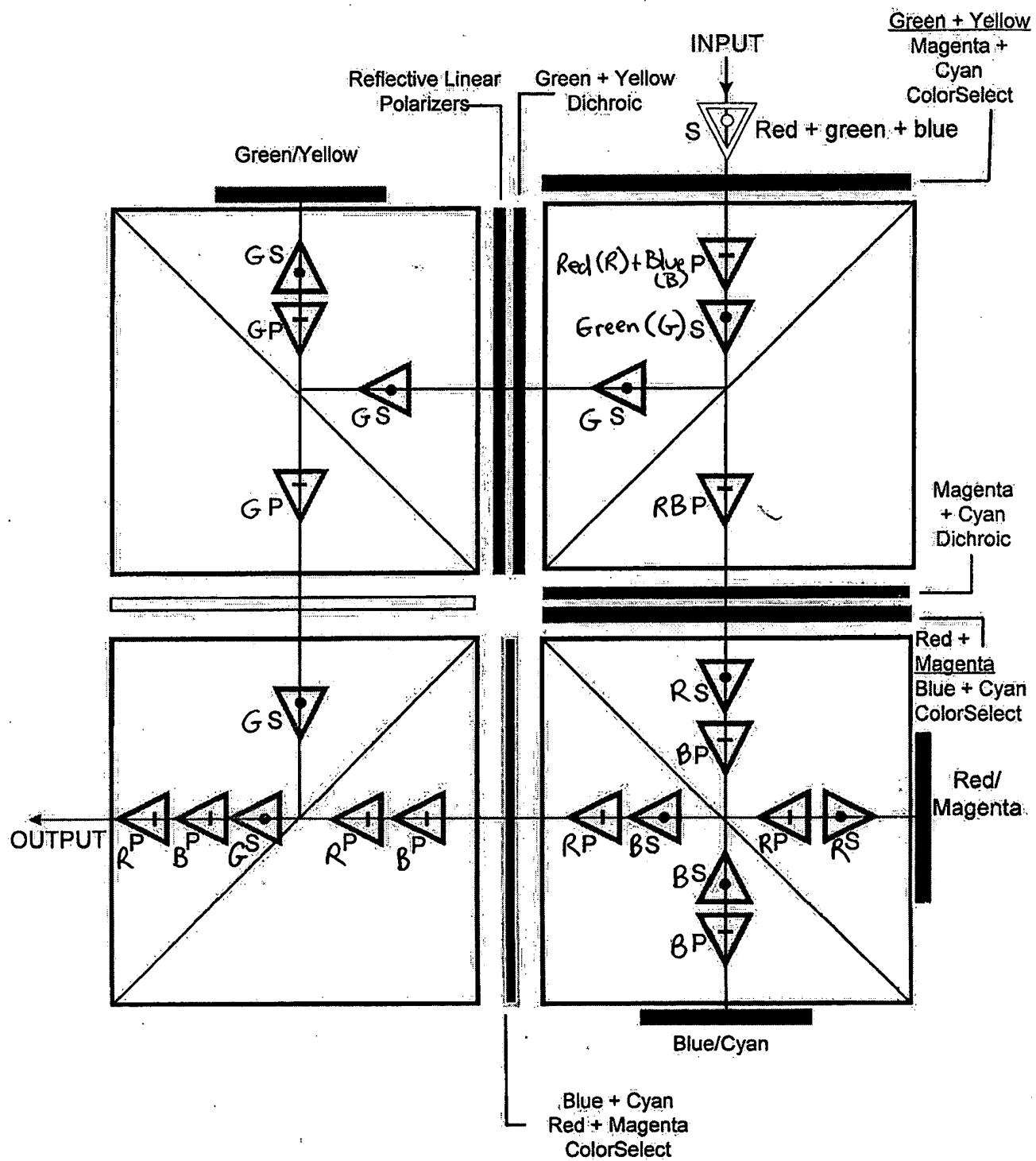
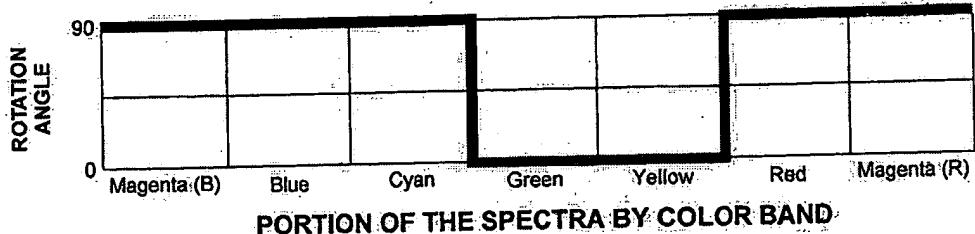
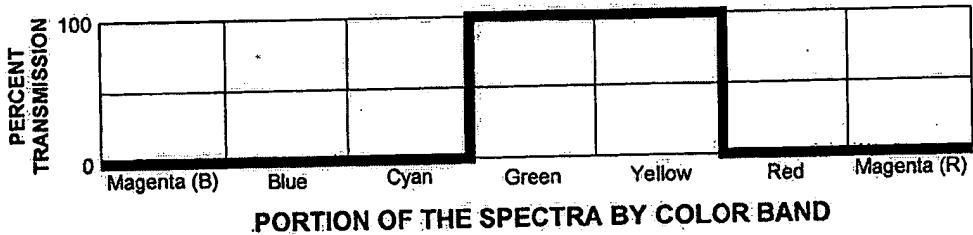


FIG. 7

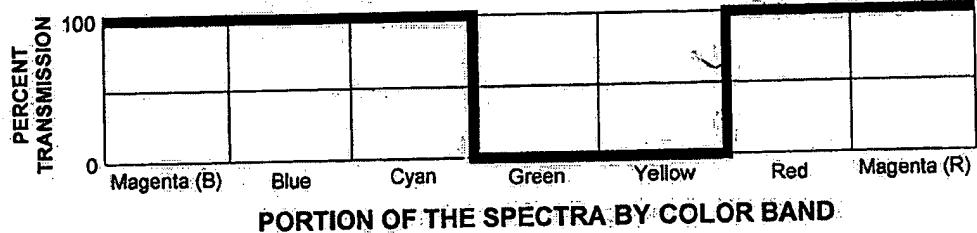
ColorSelect #1
(Green+Yellow/
Magenta+Cyan)



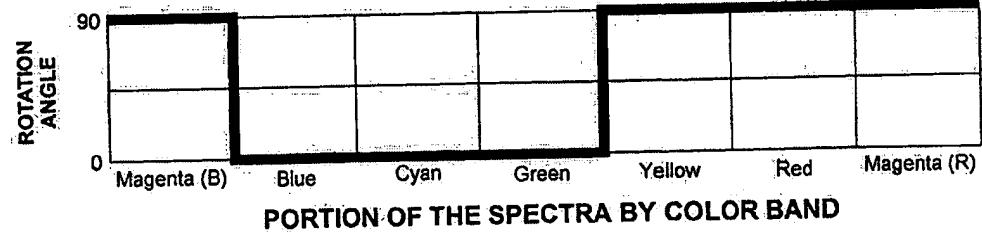
Dichroic #1
(Green+Yellow)



Dichroic #2
(Magenta+Cyan)



ColorSelect #2
(Blue+Cyan/
Red+Magenta)



ColorSelect #3
(Red+Magenta/
Blue+Cyan)

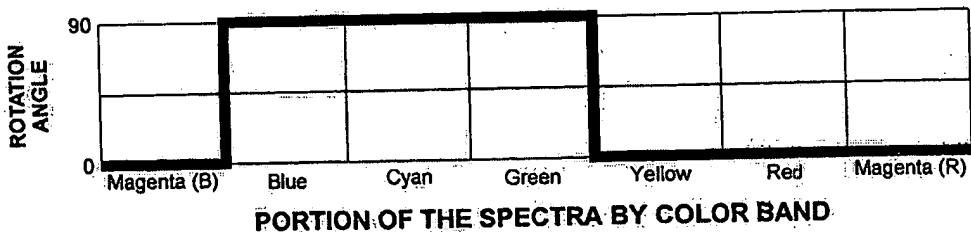
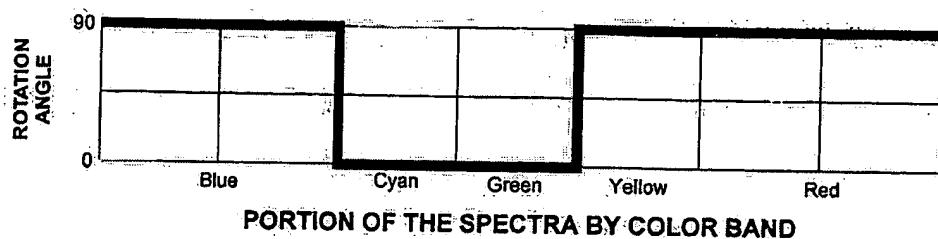
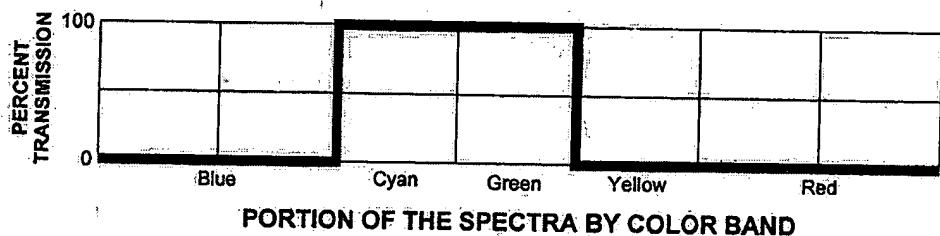


FIG. 8

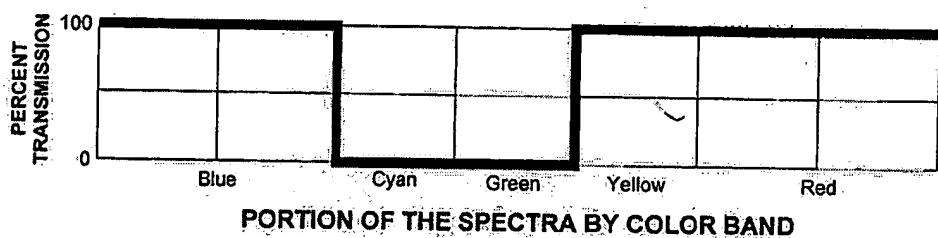
ColorSelect #1
(Green+ Cyan/
Red+Green+Blue)



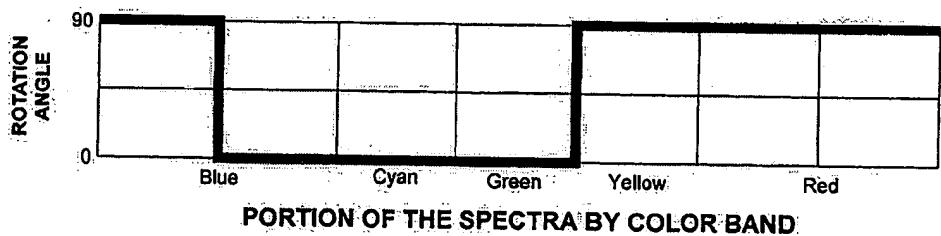
Dichroic #1
(Green+Cyan)



Dichroic #2
(Red+Yellow+Blue)



ColorSelect #2
(Red+Yellow/Blue)



ColorSelect #3
(Blue/Red+Yellow)

